Substitute Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 17023-035001	Application No. 10/718,262
Information Disclosure Statement by Applicant (Use several sheets if necessary)		Applicant Paul B. McCrary, Jr. et al.	
37 CFR §1.98(b))		Filing Date November 20, 2003	Group Art Unit 1636

U.S. Patent Documents

Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
	AA	5,512,421	04/30/96	Burns et al.			
	AB	5,643,756	07/01/97	Kayman et al.			
	AC	5,654,195	08/05/97	Sodroski et al.			
	AD	5,670,354	09/23/97	Burns et al.			
	AE	5,693,509	12/02/97	Cotten et al.			
	AF	5,711,964	01/27/98	Dattagupta et al.			
	AG	5,739,271	04/14/98	Sridhar et al.			
	AH	6,440,730	08/27/02	Von Laer et al.			
	AI	6,531,123	03/11/03	Chang			
	AJ	6,589,763	07/08/03	Von Laer et al.			

Foreign Patent Documents or Published Foreign Patent Applications

Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation Yes	Translation No
	AK	WO 98/44788	10/15/98	PCT				

Other Documents (include Author, Title, Date, and Place of Publication)

Examiner Initial	Desig. ID	Document
	AL	GenBank Accession No. V00878 dated 02/25/03
	AM	Altschul et al., "Gapped BLAST and PSI-BLAST: a new generation of protein database search programs," Nucl. Acids. Res., 1997, 25 (17):3389-3402
	AN	Altschul et al., "Basic Local Alignment Search Tool," J. Mol. Biol., 1990, 215:403-410
	AO	Alvarez-Buylla et al., "Identification of neural stem cells in the adult vertebrate brain," Brain Res. Bull., 2002, 57(6):751-758
	AP	Beyer et al., "Oncoretrovirus and Lentivirus Vectors Pseudotyped with Lymphocytic Choriomeningitis Virus Glycoprotein: Generation, Concentration, and Broad Host Range," J. Virol., 2002, 76(3):1488-1495
	AQ	Beyer et al., "Recombinant Expression of Lymphocytic Choriomeningitis Virus Strain WE Glycoproteins: a Single Amino Acid Makes the Difference," J. Virol., 2001, 75(2):1061-1064
	AR	Boshart et al., "A Very Strong Enhancer Is Located Upstream of an Immediate Early Gene of Human Cytomegalovirus," Cell, 1985, 41:521-530
	AS	Buchmeier et al., "Arenaviridae: The Viruses and Their Replication," Fields Virology, 4th ed., 2001, Knipe and Howley (eds.), Lippincott Williams & Wilkins, Vol. 2, pp. 1635-1668

Examiner Signature	Date Considered
David Huynh	10/26/05

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JL	AT	Burns et al., "Vesicular stomatitis virus G glycoprotein pseudotyped retroviral vectors: Concentration to very high titer and efficient gene transfer into mammalian and nonmammalian cells," Proc. Natl. Acad. Sci. USA, 1993, 90:8033-8037
JL	AU	Cao et al., "Identification of α-Dystroglycan as a Receptor for Lymphocytic Choriomeningitis Virus and Lassa Fever Virus," Science, 1998, 282:2079-2081
JL	AV	Chang et al., "Human Immunodeficiency Viruses Containing Heterologous Enhancer/Promoters Are Replication Competent and Exhibit Different Lymphocyte Tropisms," J. Virol., 1993, 67:743-752
JL	AW	Chen et al., "Generation of packaging cell lines for pseudotyped retroviral vectors of the G protein of vesicular stomatitis virus by using a modified tetracycline inducible system," Proc. Natl. Acad. Sci. USA, 1996, 93:10057-10062
JL	AX	Corpet et al., "Multiple sequence alignment with hierarchical clustering," Nucl. Acids. Res., 1988, 16:10881-10891
JL	AY	Culver et al., "Lymphocyte Gene Therapy," Human Gene Ther., 1991, 2(2):107-109
JL	AZ	DePolo et al., "VSV-G Pseudotyped Lentiviral Vector Particles Produced in Human Cells Are Inactivated by Human Serum," Mol. Ther., 2000, 2:218-222
JL	AAA	Dijkema et al., "Cloning and expression of the chromosomal immune interferon gene of the rat," EMBO J., 1985, 4(3):761-767
JL	ABB	Doetsch et al., "Subventricular Zone Astrocytes Are Neural Stem Cells in the Adult Mammalian Brain," Cell, 1999, 97(6):703-716
JL	ACC	Doetsch et al., "Regeneration of a germinal layer in the adult mammalian brain," Proc. Natl. Acad. Sci. USA, 1999, 96(20):11619-11624
JL	ADD	Duisit et al., "Five Recombinant Simian Immunodeficiency Virus Pseudotypes Lead to Exclusive Transduction of Retinal Pigmented Epithelium in Rat," Mol. Ther., 2002, 6(4):446-454
JL	AEE	Gewirtz, "Oligodeoxynucleotide-Based Therapeutics for Human Leukemias," Stem Cells, 1993, 11(Suppl. 3):96-103
JL	AFF	Goff, "Intracellular trafficking of retroviral genomes during the early phase of infection: viral exploitation of cellular pathways," J. Gene Med., 2001, 3:517-528
JL	AGG	Gorman et al., "The Rous sarcoma virus long terminal repeat is a strong promoter when introduced into a variety of eukaryotic cells by DNA-mediated transfection," Proc. Natl. Acad. Sci. USA, 1982, 79:6777-6781
JL	AHH	Grossman et al., "Successful *ex vivo* gene therapy directed to liver in a patient with familiar hypercholesterolaemia," Nat. Genet., 1994, 6:335-341
JL	AII	Henry and Campbell, "A Role for Dystroglycan in Basement Membrane Assembly," Cell, 1998, 95:859-870
JL	AJJ	Henry and Campbell, "Dystroglycan inside and out," Curr. Opin. Cell Biol., 1999, 11:602-607
JL	AKK	Higgins and Sharp, "Fast and sensitive multiple sequence alignments on a microcomputer," CABIOS, 1989, 5(2):151-153
JL	ALL	Higgins et al., "CLUSTAL: a package for performing multiple sequence alignment on a microcomputer," Gene, 1988, 73:237-244
JL	AMM	Huang et al., "Parallelization of a local similarity algorithm," CABIOS, 1992, 8(2):155-165
JL	ANN	Johnston et al., "Minimum Requirements for Efficient Transduction of Dividing and Nondividing Cells by Feline Immunodeficiency Virus Vectors," J. Virol., 1999, 73(6):4991-5000

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David Jung	10/26/05

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Other Documents (include Author, Title, Date, and Place of Publication)

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JC	AOO	Kang et al., "In Vivo Gene Transfer Using a Nonprimate Lentiviral Vector Pseudotyped with Ross River Virus Glycoproteins," J. Virol., 2002, 76(18):9378-9388
JC	APP	Karlin and Altschul, "Methods for assessing the statistical significance of molecular sequence features by using general scoring schemes," Proc. Natl. Acad. Sci. USA, 1990, 87:2264-2268
JC	AQQ	Karlin and Altschul, "Applications and statistics for multiple high-scoring segments in molecular sequences," Proc. Natl. Acad. Sci. USA, 1993, 90:5873-5877
JC	ARR	Kasid et al., "Human gene transfer: Characterization of human tumor-infiltrating lymphocytes as vehicles for retroviral-mediated gene transfer in man," Proc. Natl. Acad. Sci. USA, 1990, 87:473-477
JC	ASS	Kenyon et al., "Aerosol Infection of Rhesus Macaques with Junin Virus," Intervirology, 1992, 33:23-31
JC	ATT	Kim et al., "Use of the human elongation factor 1α promoter as a versatile and efficient expression system," Gene, 1990, 91:217-223
JC	AUU	Lehninger, "The amino acid building blocks of proteins," Biochemistry, 2nd edition, 1975, The Johns Hopkins University School of Medicine, pp. 73-75
JC	AVV	Lever, "HIV and other lentivirus-based vectors," Gene Therapy, 1996, 3:470-471
JC	AWW	Maniatis et al., "Regulation of Inducible and Tissue-Specific Gene Expression," Science, 1987, 236:1237-1245
JC	AXX	Mann et al., "Construction of a Retrovirus Packaging Mutant and Its Use to Produce Helper-Free Defective Retrovirus," Cell, 1983, 33:153-159
JC	AYY	Markowitz et al., "A Safe Packaging Line for Gene Transfer: Separating Viral Genes on Two Different Plasmids," J. Virol., 1988, 62(4):1120-1124
JC	AZZ	Meinkoth and Wahl, "Hybridization of Nucleic Acids Immobilized on Solid Supports," Anal. Biochem., 1984, 138:267-284
JC	AAAA	Miletic et al., "Retroviral Vectors Pseudotyped with Lymphocytic Choriomeningitis Virus," J. Virol., 1999, 73(7):6114-6116
JC	ABBB	Miller, "Human gene therapy comes of age," Nature, 1992, 357:455-460
JC	ACCC	Miller, "Cell-surface receptors for retroviruses and implications for gene transfer," Proc. Natl. Acad. Sci. USA, 1996, 93:11407-11413
JC	ADDD	Mizushima and Nagata, "pEF-BOS, a powerful mammalian expression vector," Nucl. Acids Res., 1990, 18(17):5322
JC	AEEE	Myers and Miller, "Optimal alignments in linear space," CABIOS, 1988, 4(1):11-17
JC	AFFF	Neckers and Whitesell, "Antisense technology: biological utility and practical considerations," Amer. J. Physiol., 1993, 265:L1-L12
JC	AGGG	Needleman and Wunsch, "A General Method Applicable to the Search for Similarities in the Amino Acid Sequence of Two Proteins," J. Mol. Biol., 1970, 48:443-453
JC	AHHH	Park et al., "Therapeutic levels of human factor VIII and IX using HIV-1-based lentiviral vectors in mouse liver," Blood, 2000, 96(3):1173-1176
JC	AIII	Pearson and Lipman, "Improved tools for biological sequence comparison," Proc. Natl. Acad. Sci. USA, 1988, 85:2444-2448
JC	AJJJ	Pearson et al., "Using the FASTA Program to Search Protein and DNA Sequence Databases," Meth. Mol. Biol., 1994, 24:307-331

Examiner Signature	Date Considered
David Zucker	10/26/05

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	AKKK	Rosenberg, "Human Gene Marker/Therapy Clinical Protocols," Human Gene Therapy, 1994, 5(1):140
	ALLL	Russell and Miller, "Foamy Virus Vectors," J. Virol., 1996, 70(1):217-222
	AMMM	Sandrin et al., "Lentiviral vectors pseudotyped with a modified RD114 envelope glycoprotein show increased stability in sera and augmented transduction of primary lymphocytes and CD34$^+$ cells derived from human and nonhuman primates," Blood, 2002, 100(3):823-832
	ANNN	Schauber et al., "Lentiviral vectors pseudotyped with baculovirus gp64 efficiently transduce mouse cells in vivo and show tropism restriction against hematopoietic cell types in vitro," Gene Ther., 2004, 11:266-275
	AOOO	Schwartz et al., "Distinct RNA Sequences in the *gag* Region of Human Immunodeficiency Virus Type 1 Decrease RNA Stability and Inhibit Expression in the Absence of Rev Protein," J. Virol., 1992, 66(1):150-159
	APPP	Sinn et al., "Lentivirus Vectors Pseudotyped with Filoviral Envelope Glycoproteins Transduce Airway Epithelia from the Apical Surface Independently of Folate Receptor Alpha," J. Virol., 2003, 77(10):5902-5910
	AQQQ	Smith and Waterman, "Comparison of Biosequences," Adv. Appl. Math., 1981, 2:482-489
	ARRR	Spiropoulou et al., "New World Arenavirus Clade C, but Not Clade A and B Viruses, Utilizes α-Dystroglycan as Its Major Receptor," J. Virol., 2002, 76(10):5140-5146
	ASSS	Steffy and Wong-Staal, "Genetic Regulation of Human Immunodeficiency Virus," Microbiol. Rev., 1991, 55:193-205
	ATTT	Stein et al., "*In Vivo* Treatment of Hemophilia A and Mucopolysaccharidosis Type VII Using Nonprimate Lentiviral Vectors," Mol. Ther., 2001, 3:850-856
	AUUU	Stewart et al., "Lentiviral delivery of HIV-1 Vpr protein induces apoptosis in transformed cells," Proc. Natl. Acad. Sci. USA, 1999, 96(21):12039-12043
	AVVV	Stryer, "Conformation and Dynamics," Biochemistry, 2nd edition, 1981, W.H. Freeman and Co., San Francisco, pp. 14-15
	AWWW	Subbramanian and Cohen, "Molecular Biology of the Human Immunodeficiency Virus Accessory Proteins," J. Virol., 1994, 68(11):6831-6835
	AXXX	Talbott et al., "Nucleotide sequence and genomic organization of feline immunodeficiency virus," Proc. Natl. Acad. Sci. USA, 1989, 86:5743-5747
	AYYY	Trono et al., "HIV Accessory Proteins: Leading Roles for the Supporting Cast," Cell, 1995, 82:189-192
	AZZZ	Uetsuki et al., "Isolation and Characterization of the Human Chromosomal Gene for Polypeptide Chain Elongation Factor-1α," J. Biol. Chem., 1989, 264:5791-5798
	AAAAA	Voss et al., "The role of enhancers in the regulation of cell-type-specific transcriptional control," Trends Biochem. Sci., 1986, 11:287-289
	ABBBB	Wang et al., "Feline immunodeficiency virus vectors persistently transduce nondividing airway epithelia and correct the cystic fibrosis defect," J. Clin. Invest., 1999, 104:R55-62
	ACCCC	Watson et al., "Targeted Transduction Patterns in the Mouse Brain by Lentivirus Vectors Pseudotyped with VSV, Ebola, Mokola, LCMV, or MuLV Envelope Proteins," Mol. Ther., 2002, 5(5):528-537

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David Nguyen	10/26/05

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Other Documents (include Author, Title, Date, and Place of Publication)		
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DT	ADDDD	White et al., "Airway Epithelial Cell Wound Repair Mediated by α-Dystroglycan," Am. J. Respir. Cell Mol. Biol., 2001, 24:179-186
DT	AEEEE	Yamada et al., "Nanoparticles for the delivery of genes and drugs to human hepatocytes," Nature Biotechnology, 2003, 21(8) :885-890

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